GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:1583
ANSWERED ON:29.07.2015
Aditya-I Satellite
Kher Smt. Kirron

Will the Minister of SPACE be pleased to state:

(a) the reasons for delay in the development and launch of Aditya-I satellite, which will help improve communication network;

(b) whether there is a change in the scope of the mission; and

(c) if so, the details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PG & PENSIONS AND IN THE PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH):

a) The Aditya-1 mission is a space science mission to study the sun and not intended to improve communication network. The reasons for delay in the development of Aditya-1 satellite include (i) technological complexity of the development of the coronagraph payload which is being done for the first time in India, (ii) improvements in the capabilities of the mission and (iii) inclusion of additional experiments.

b) Yes Madam.

c) In order to improve the science outcome of the mission, the scope of the mission has been enhanced with the following -
(i) To place the satellite in a halo orbit around the L1 Lagrangian point of Sun-Earth system. Satellite placed in an orbit in relation to L1 Lagrangian point rotates around the Sun at the same speed as Earth rotates and has the major advantage of continuously viewing the Sun, without any occultation/ eclipses.
(ii) To include additional payloads and improve the coronagraph payload.

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